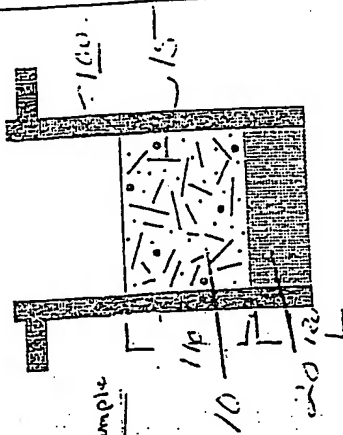


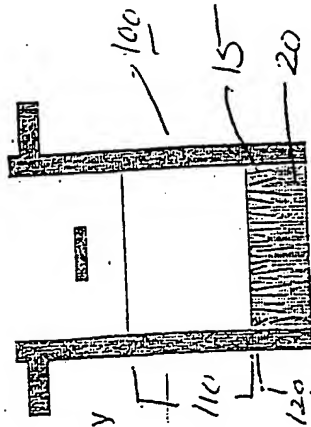
des

- Load DNA analyte sample into microtiter wells



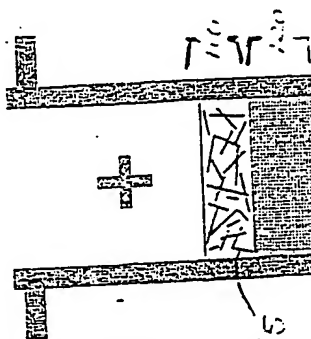
212

- Apply electric field to electrophorese all negatively charged molecules
- The DNA analyte will be captured



3015

- Replace buffer
- Reduce sample volume in well if concentration of DNA analyte is also desired
- Apply current to denature hybrid and release DNA analyte from capture oligo
- Apply reversed electric field to electrophoretically elute DNA analyte into the sample volume in the well



4257

- Microtiter plate bearing purified and (optionally) concentrated DNA analyte samples ready for further analysis

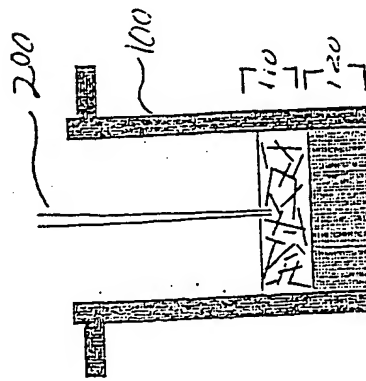


Fig. 1

Sample Prep for Sequencing

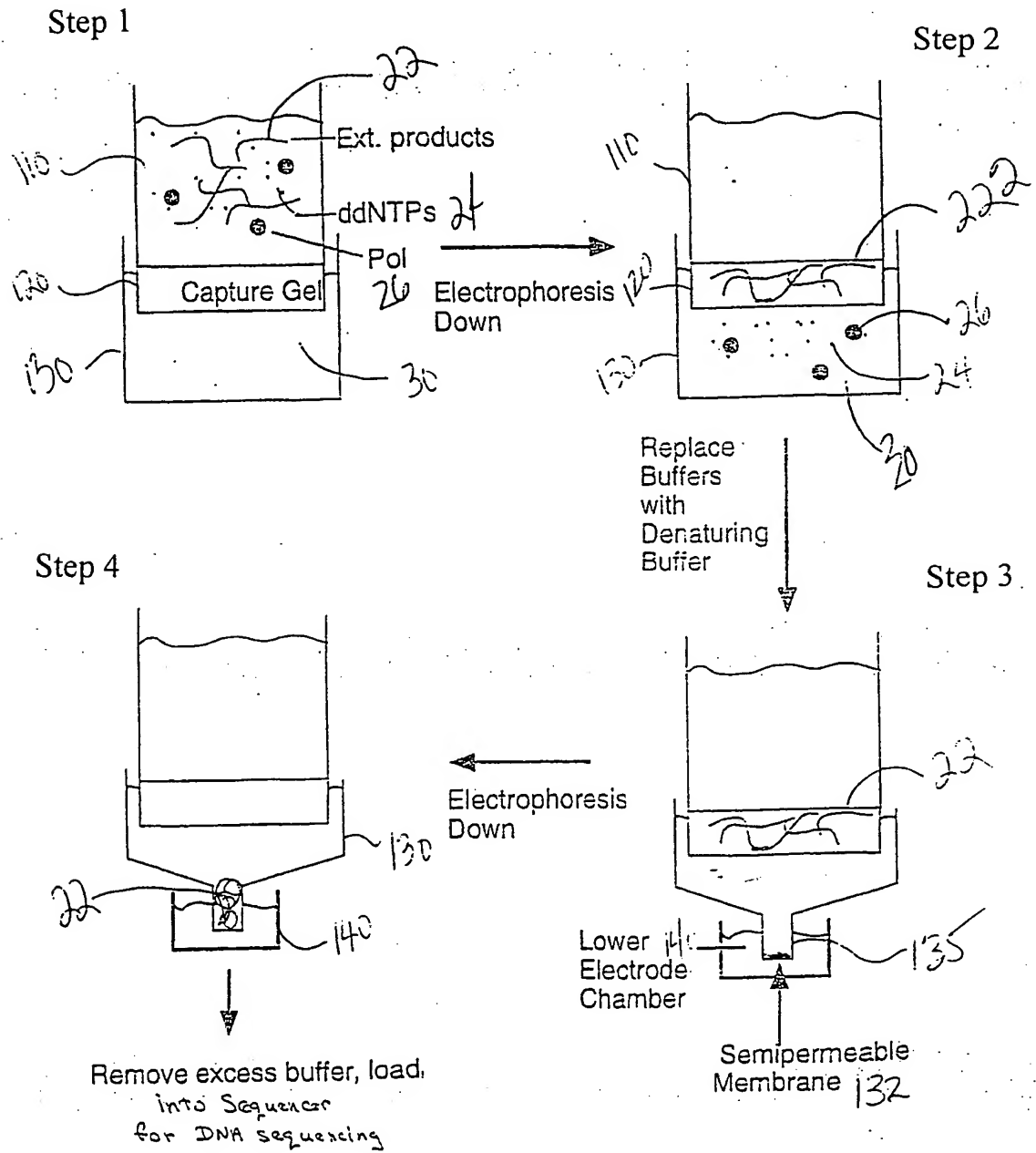


Fig. 2

103037-2000

Multiplexing: Use of Hybrigel to Purify Products of Multiple Reactions

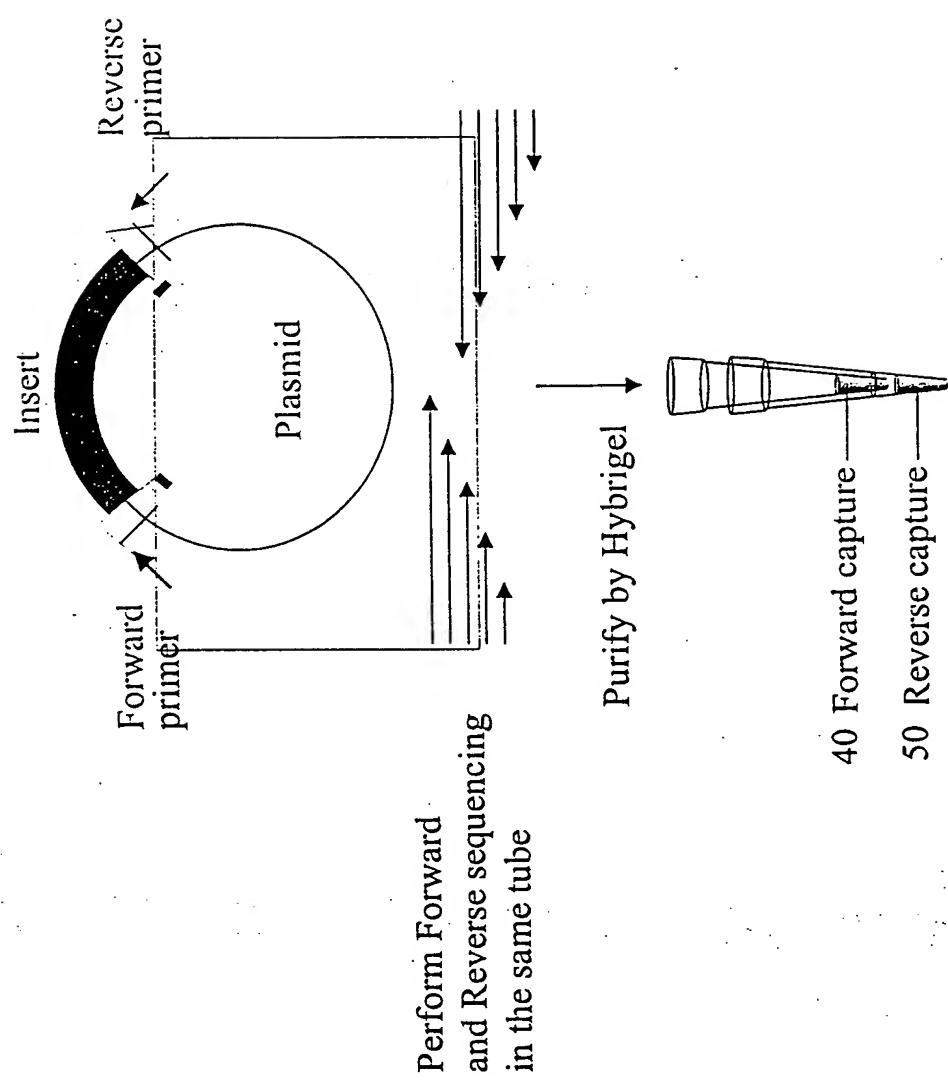


Fig. 3A

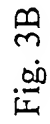
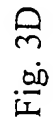


Fig. 3C



6249

polylinker
GGGATCCTCTAGATCGACCTGCAGGCATGCAAGCTTGGCACTGGCCGTCGTTTACAA
tgaccggcagcaaatgt
-21 primer

5' ac-GGGATCCTCTAGATCG 6249-17ac

5' ac-TGCAGGCATGCAAGCTT 6269-17ac

5' ac-ATGCAAGCTTGGCACTGGCCG 6277-21ac

5' ac-CTGGCCGTCGTTTACCA 6290-18ac

Fig. 3E

FIG. 4A

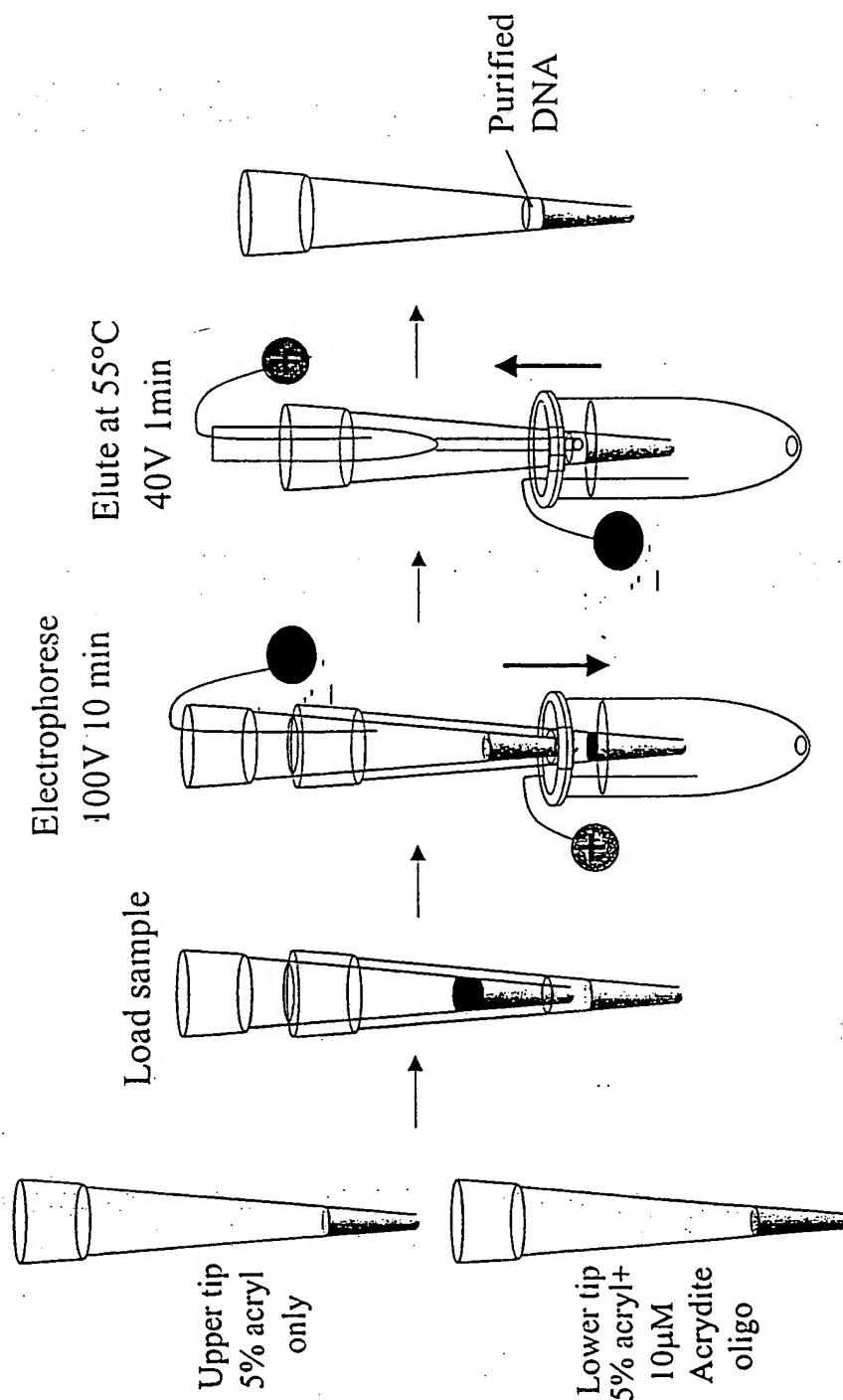


Fig. 4A

1002427.10001



Captured
Sequence

Fig. 4B

Crude	Qiagen dyEx	Pure M13 DNA			λ Hind III	Hybrigel Purified	
		250ng	100ng	50ng		+upper tip	1 tip

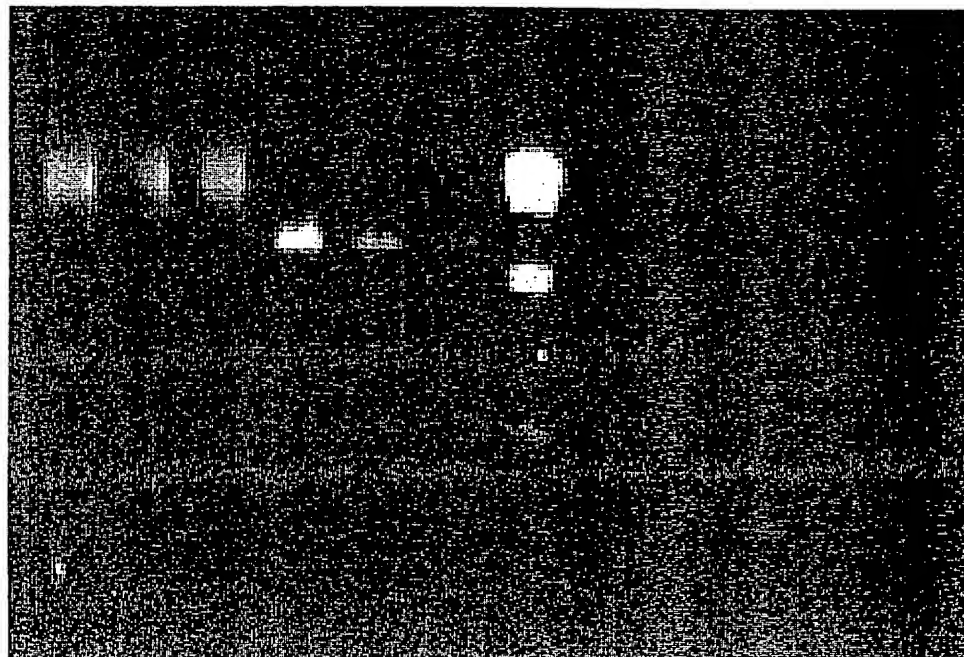


Fig. 5

10001237.10001

FIG. 6

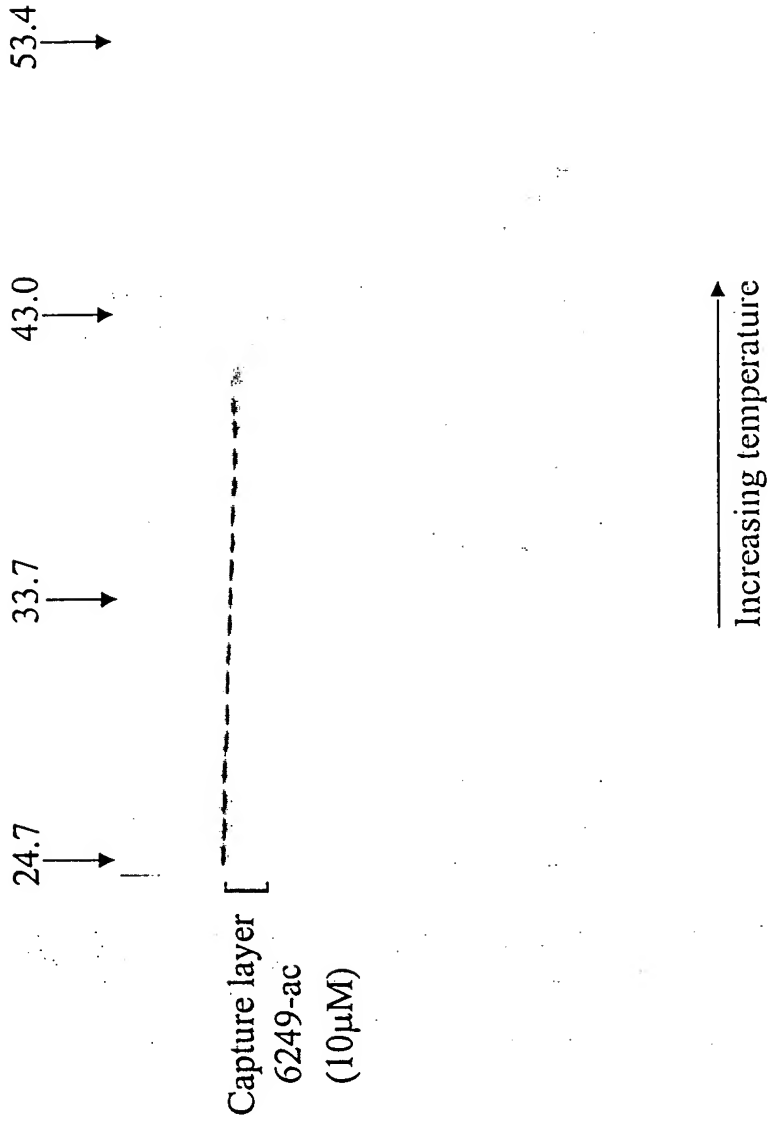


Fig. 6

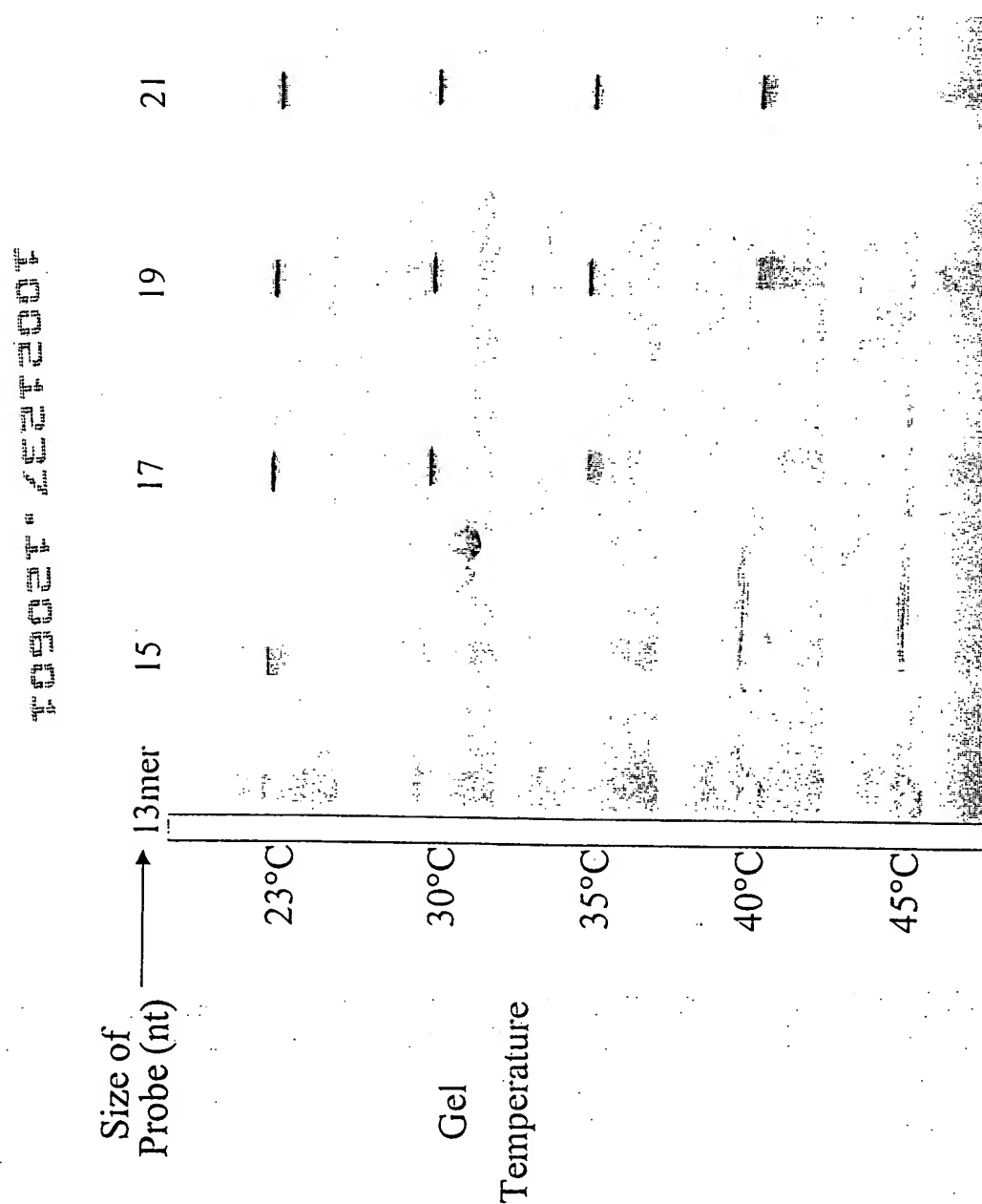


Fig. 7